KU02209

AUG 1 8 2000

510(k) Summary of Safety and Effectiveness

Date:

July 21, 2000

Submitter:

GE Marquette Medical Systems, Inc.

8200 W. Tower Ave.

Milwaukee, WI 53223 USA

Contact Person:

Kristin Pabst

Corporate Regulatory Affairs GE Marquette Medical Systems

Phone: (414) 362-2793 Fax: (414) 371-3736

Trade/Proprietary Name:

GE Marquette ECG Analysis Program

Common/Usual Name:

ECG Analysis Program

Classification Names & Citations:

21 CFR 870.1425 Programmable diagnostic computer	
21 CFR 870.2920 Transmitters and Receivers, Electrocardiograph, Telephone	
21 CFR 870.2340 Electrocardiograph	74DPS
21 CFR 870.2340 System, ECG Analysis	74LOS
21 CFR 870.1025 Detector and Alarm, Arrhythmia	74DSI

Predicate Device:

MAC 5000 resting ECG analysis system K991735

Device Description:

GE Marquette ECG Analysis Program is a software algorithm that runs on GE

Marquette's electrocardiographs.

Intended Use:

The GE Marquette ECG Analysis Program assists the physician in interpreting resting 12-lead ECGs for rhythm and contour information by providing an initial automated interpretation. Interpretation by the product is then

confirmed, edited, or deleted by the physician. The product is intended for use in the general population ranging from healthy subjects to patients with cardiac and/or non-cardiac abnormalities. The product is intended for use in hospitals, outpatient clinics, emergency departments, and out-of-hospital sites

such as ambulances and patients' homes.

Technology:

The GE Marquette ECG Analysis Program employs the same functional

technology as the predicate device.

Test Summary:

The GE Marquette ECG Analysis Program and its host electrocardiograph complies with the voluntary standards as detailed in Section 9 of this submission.

The following quality assurance measures were applied to the development of the GE Marquette ECG Analysis Program

- Risk Analysis
- Requirements Reviews
- Design Reviews
- Code inspections
- Verification and Validation

Conclusion:

This premarket notification submission demonstrates that the GE Marquette ECG Analysis Program is substantially equivalent to the 12SL ECG analysis program cleared with the MAC 5000 resting ECG analysis system. These devices have the same intended use and the changes made do not raise new questions of safety or effectiveness.



Food and Drug Administration 9200 Corporate Boulevard Rockville MD 20850

AUG 1 8 2000

Laura L. McComis Corporate Regulatory Affairs GE Marquette Medical Systems 8200 W. Tower Avenue Milwaukee, WI 53223

Re: K002209

GE Marquette ECG Analysis Program

Regulatory Class: III (three)

Product Code: 74 MHX Dated: July 21, 2000 Received: July 21, 2000

Dear Ms. McComis:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the

Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic

devices), please contact the Office of Compliance at (301) 594-4346. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address "http://www.fda.gov/cdrh/dsma/dsmamain.html".

Sincerely yours,

James E. Dillard III

Director

Division of Cardiovascular and Respiratory Devices Office of Device Evaluation Center for Device

and Radiological Health

Enclosure

510(k) Number (if known):	: Unknown;	510(k) filed on July 13, 2000
Device Name:	GE Marquette ECG Analy	ysis Program
Indications For Use:		
rhythm and contour informed product is then confirmed general population ranging abnormalities. The production ranging abnormalities.	rmation by providing an i d, edited, or deleted by th ng from healthy subjects (the physician in interpreting resting 12-fead ECGs for nitial automated interpretation. Interpretation by the e physician. The product is intended for use in the to patients with cardiac and/or non-cardiac hospitals, outpatient clinics, emergency departments, patients' homes.
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(PLEASE DO NOT	WRITE BELOW THIS LIN	E - CONTINUE ON ANOTHER PAGE IF NEEDED)
	Concurrence of CDRH, Of	ffice of Device Evaluation (ODE)
Prescription Use (Per 21 CFR 801.109)	C	OR Over-The-Counter Use
		(Optional Format 1-2-96)